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**Title** Development of Integrated Database Management and expert system for selection of materials to meet durability and damage tolerance requirements (completion report)

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**Abstract** This is the completion report of the project taken under the Grants-in-Aid scheme of the Aeronautics Research and Development Board.

This report enunciates in detail the methodology adopted for arriving at the durability and damage tolerance values of materials for spectrum loading conditions. The document also lists the screen print of the demonstration package developed. The framework chosen for the material database is indicated together with a listing of the database structures, database files and format files.